



281

EFW

PATENT  
81876.0071

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Kenichi FUKUMOTO

Serial No: 10/501,795

Filed: July 16, 2004

For: DC/AC CONVERTER AND ITS  
CONTROLLER IC

Art Unit: 2811

Examiner: Not Assigned

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450, on	
March 14, 2005	
Date of Deposit	
Shindale Ferguson	
Name	
Signature	March 14, 2005
Date	

*[Handwritten signature over the box]*

**TRANSMITTAL OF POWER OF ATTORNEY**

Mail Stop Issue Fee

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Enclosed is the following:

- An executed Power of Attorney (PTO/SB/80)
- Statement Under 37 CFR 3.73(b) (PTO/SB/96)
- A copy of the Assignment
- A copy of the Recordation Form Cover Letter

The Commissioner is authorized to charge any underpayment to our Deposit Account No. 50-1314. A copy of this letter is enclosed.

Respectfully submitted,

Date: March 14, 2005

By: Lawrence J. McClure

Lawrence J. McClure

Registration No. 44,228

Attorney for Applicant(s)

HOGAN &amp; HARTSON L.L.P.

500 South Grand Avenue, Suite 1900

Los Angeles, California 90071

Phone: 213-337-6700

Fax: 213-337-6701



Approved for use through 11/30/2006. OMB 0651-0036  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

## POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO

I hereby appoint:

Practitioners associated with the Customer Number:

OR

Practitioner(s) named below (If more than ten patent practitioners are to be named, then a customer number must be used):

Name	Registration Number

as attorney(s) or agent(s) to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with any and all patent applications assigned only to the undersigned according to the USPTO assignment records or assignment documents attached to this form in accordance with 37 CFR 3.73(b).

### Assignee Name and Address:

Rohm Co., Ltd.

21 Saiin Mizosaki-cho, Ukyo-ku, Kyoto 615-8585, Japan

A copy of this form, together with a statement under 37 CFR 3.73(b) (Form PTO/SB/96 or equivalent) is required to be filed in each application in which this form is used. The statement under 37 CFR 3.73(b) may be completed by one of the practitioners appointed in this form if the appointed practitioner is authorized to act on behalf of the assignee, and must identify the application in which this Power of Attorney is to be filed.

### SIGNATURE of Assignee of Record

The individual whose signature and title is supplied below is authorized to act on behalf of the assignee

Name	Takaaki NAGURA		
Signature		Date	November 10, 2004
Title	Group Manager	Telephone	81-(0) 75-321-6472

This collection of information is required by 37 CFR 1.31 and 1.33. The information is required to obtain or retain a benefit by the public which is to be (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

**STATEMENT UNDER 37 CFR 3.73(b)**

Applicant/Patent Owner: Kenichi FUKUMOTO

Application No./Patent No.: 10/501,795 Filed/Issue Date: July 16, 2004

Entitled: DC/AC CONVERTER AND ITS CONTROLLER IC

ROHM CO., LTD., a Corporation

(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1.  the assignee of the entire right, title, and interest; or
2.  an assignee of less than the entire right, title and interest.  
The extent (by percentage) of its ownership interest is [PERCENTAGE]%

in the patent application/patent identified above by virtue of either:

A.  An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel [REEL NUMBER], Frame [FRAME NUMBER], or for which a copy thereof is attached.

OR

B.  A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

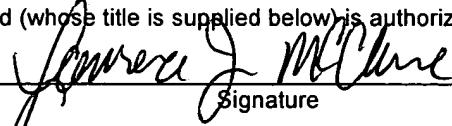
1. From: [ASSIGNOR] To: [ASSIGNEE]  
The document was recorded in the United States Patent and Trademark Office at Reel [REEL], Frame [FRAME], or for which a copy thereof is attached.
2. From: [ASSIGNOR] To: [ASSIGNEE]  
The document was recorded in the United States Patent and Trademark Office at Reel [REEL], Frame [FRAME], or for which a copy thereof is attached.
3. From: [ASSIGNOR] To: [ASSIGNEE]  
The document was recorded in the United States Patent and Trademark Office at Reel [REEL], Frame [FRAME], or for which a copy thereof is attached.

Additional documents in the chain of title are listed on a supplemental sheet.

Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

  
SignatureMarch 14, 2005

Date

Lawrence J. McClure, Ph.D.  
Printed or Typed Name213-337-6810  
Telephone NumberAttorney  
Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 122 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



RECORDATION FORM COVER LETTER  
**PATENTS ONLY**

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

Attorney Docket No.: 81876.0071

To the Assistant Commissioner for Patents: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Kenichi FUKUMOTO

Additional name(s) of conveying party(ies) attached?  Yes  No

3. Nature of conveyance:

Assignment

Other \_\_\_\_\_

Execution Date: July 1, 2004

2. Name and address of receiving party(ies):

ROHM CO., LTD.  
21 Saiin Mizosaki-cho,  
Ukyo-ku, Kyoto, 615-8585, Japan

Additional name(s) & address(es) attached?  Yes  No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: July 1, 2004

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:

Dariush G. Adli, Esq.  
HOGAN & HARTSON L.L.P.  
500 South Grand Avenue, Suite 1900  
Los Angeles, CA 90071

6. Total number of applications and patents involved: [ 1 ]

7. Total fee (37 CFR 3.41) \$40.00

Enclosed  
 Authorized to be charged to deposit account

8. Deposit account number:

50-1314

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true copy of the original document.

Dariush G. Adli, Esq.

Date: July 16, 2004

OMB No. 0651-0011 (exp. 4/94)

Mail documents to be recorded with required cover sheet information to:

Mail Stop Assignment Recordation Services  
Director of the U.S. Patent and Trademark Office  
P.O. Box 1450  
Alexandria, VA 22313-1450

## ASSIGNMENT

(1-8) Insert Name(s) of Inventor(s)

(1)	Kenichi FUKUMOTO	(5)
(2)		(6)
(3)		(7)
(4)		(8)

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(9) Insert name of Assignee

(9) Rohm Co., Ltd.

(10) Insert state of Incorporation of Assignee

(10) Japan 21 Saiin, Mizosaki-cho, Ukyo-ku, Kyoto, 615-85

(11) Insert address of Assignee

(11) of Japan (hereinafter designated as the Assignee) the entire worldwide right, title and

(12) Insert identification of Invention, such as Title, Case Number or Foreign Application Number

(12) CONTROLLER IC THEREFOR for which the undersigned has (have) executed an application for patent in the United States of America and all patent applications in foreign countries corresponding thereto or based thereon.

(13) Insert Date of Signing of Application

(13) on July 1, 2004

1) The undersigned agree(s) to execute all papers necessary in connection with any original, reissue, divisional and continuing United States and foreign applications for the above-identified invention and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed any agreement in conflict herewith.

6) The undersigned hereby appoints STUART LUBITZ, Reg. No. 20,680; LOUIS A. MOK, Reg. No. 22,585; JOHN P. SCHERLACHER, Reg. No. 23,009; WILLIAM H. WRIGHT, Reg. No. 36,312; DAVID LUBITZ, Reg. No. 38,229; WEI-NING YANG, Reg. No. 38,690; ALFRED A. D'ANDREA, JR., Reg. No. 27,752; WILLIAM J. KUBIDA, Reg. No. 29,664; STUART T. LANGLEY, Reg. No. 33,940; MICHAEL BYORICK, Reg. No. 34,131; CAROL W. BURTON, Reg. No. 35,465; STEVEN C. PETERSON, Reg. No. 36,238; STEVEN K. BARTON, Reg. No. 36,445; SARAH S. O'ROURKE, Reg. No. 41,226; E. MATTHEW G. DYOR, Reg. No. 42,278, the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: July 1, 2004 Signature of Inventor Kenichi Fukumoto Kenichi FUKUMOTO

Date: \_\_\_\_\_ Signature of Inventor \_\_\_\_\_

Date: \_\_\_\_\_ Signature of Inventor \_\_\_\_\_

Date: \_\_\_\_\_ Signature of Inventor \_\_\_\_\_